

Title (en)

Preparation containing aramide fibers and their use.

Title (de)

Präparationshaltige Aramidfasern und deren Verwendung.

Title (fr)

Préparation contenant des fibres aramides et leur emploi.

Publication

**EP 0665323 A3 19970820 (DE)**

Application

**EP 95100370 A 19950112**

Priority

DE 4402193 A 19940126

Abstract (en)

[origin: DE4402193C1] Aramid fibres contain 0.5-4 wt.% of a prepn. (1) contg. (A) anionic antistatic based on a salt of a mono- or di-alkyl phosphate or mono- or di-aryl phosphate ester, a salt of an alkyl- or aryl-phosphonic acid ester, or a mixt. thereof, (B) a cpd. of formula  $R_{<1>}-COO-(CH_2-CH_2-O)_x-R_{<2>}$  (I) and (C) a cpd. of formula  $R_{<3>}-O-(R_{<4>}-O)_y-R_{<5>}$  (II). In formulae,  $R_{<1>}$  = 1-22C alkyl or 2-22C alkenyl;  $R_{<2>}$  = H or 1-22C alkyl;  $R_{<3>}$  = 1-22C alkyl, 2-22C alkenyl or the di-, tri- or tetra-valent residue of an opt. unsaturated aliphatic alcohol;  $R_{<4>}$  = ethylene (or ethylene and propylene or butylene if  $y = 2, 3$  or  $4$ );  $R_{<5>}$  = 1-22C alkyl;  $x = 2-20$ ; and  $y = 1-8$ . Pref. (A) is the alkali salt of an alkylphosphonic acid alkyl ester, pref. a K salt of a mono- and/or di-(8-20C alkyl)-phosphonic acid ester, or esp. pref. an alkali salt of a mono- or di-alkyl phosphate.

IPC 1-7

**D06M 13/17**; **D06M 13/224**; **D06M 13/372**; **D06M 13/288**; **D06M 13/292**

IPC 8 full level

**D01F 11/08** (2006.01); **D03D 15/00** (2006.01); **D04B 1/00** (2006.01); **D04H 1/42** (2012.01); **D04H 1/4342** (2012.01); **D04H 3/009** (2012.01); **D06M 13/02** (2006.01); **D06M 13/17** (2006.01); **D06M 13/224** (2006.01); **D06M 13/244** (2006.01); **D06M 13/282** (2006.01); **D06M 13/288** (2006.01); **D06M 13/292** (2006.01); **D06M 13/295** (2006.01); **D06M 15/53** (2006.01); **D06M 101/00** (2006.01); **D06M 101/16** (2006.01); **D06M 101/30** (2006.01); **D06M 101/34** (2006.01); **D06M 101/36** (2006.01)

CPC (source: EP US)

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Citation (search report)

- [DA] EP 0416486 A2 19910313 - DU PONT [US]
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- [A] EP 0547846 A1 19930623 - MILLIKEN RES CORP [US]
- [DA] UNBEKANNT: "Processing finish for amorphous aramid staple", RESEARCH DISCLOSURE, no. Zusammenfassung 21901, July 1982 (1982-07-01), pages 239 - 240, XP000676481

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DOCDB simple family (application)

**DE 4402193 A 19940126**; EP 95100370 A 19950112; JP 1029395 A 19950126; US 37744695 A 19950124